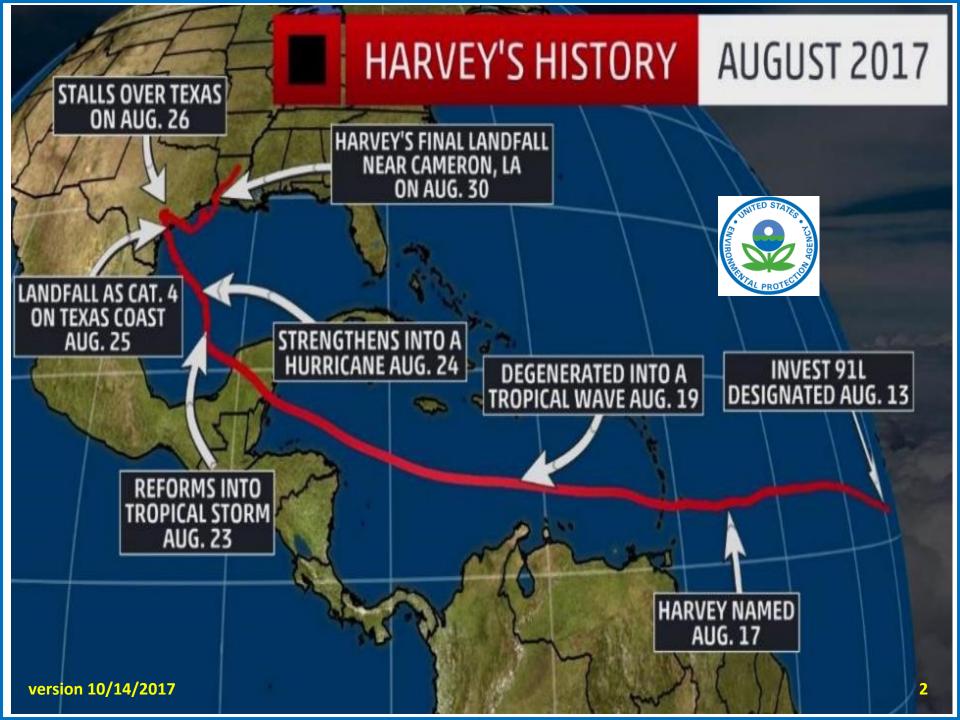
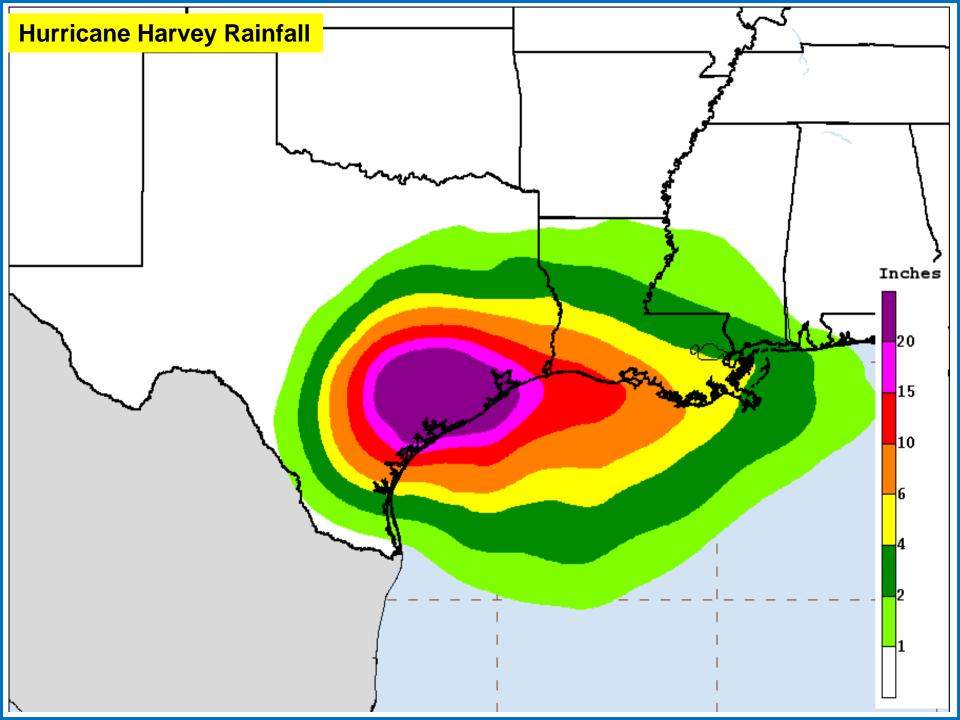


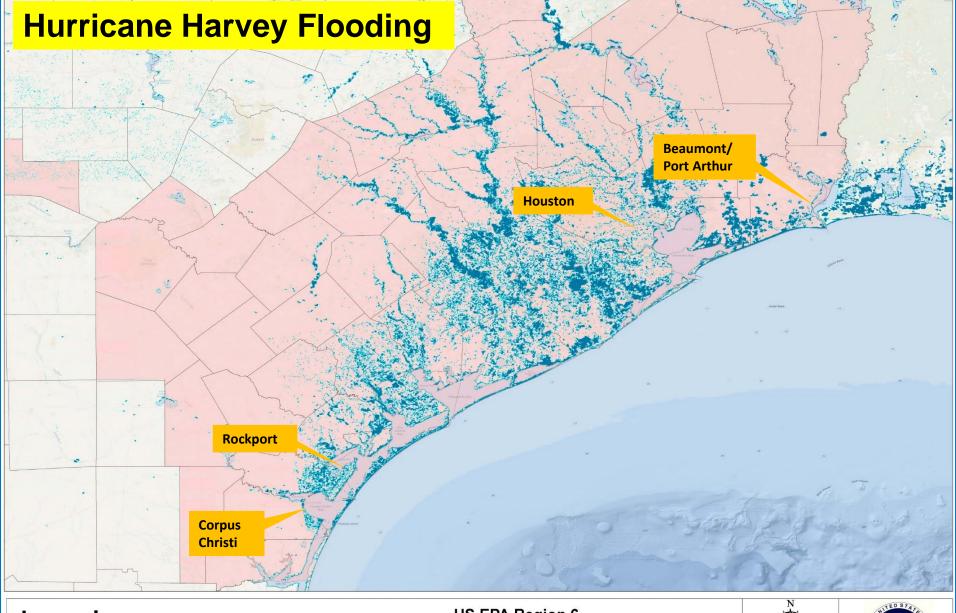


EPA Response to Hurricane Harvey

Carl Edlund Director, Superfund Division Region 6







Legend

Inundation Boundary Extent

State Declared Counties

US EPA Region 6 Hurricane Harvey Response

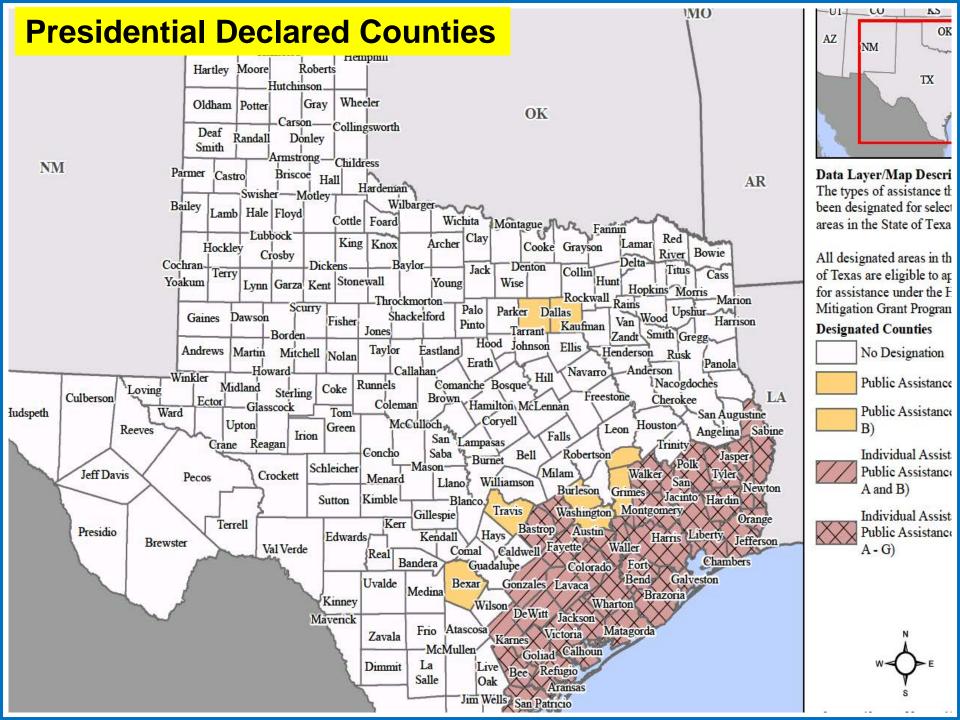
Flood Area Map in Hurricane Harvey Declared Areas





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mes.org, and other contributors





RESPONSE OBJECTIVES

- Maximize protection of public, health, and safety.
- Identify and evaluate affected drinking water and wastewater systems
- Identify and address orphaned containers or discharges from vessels and/or facilities
- Identify and address pollution targets.
- Identify and assess Department of Homeland Security critical infrastructure; chemical; and, refining facilities
- Establish and maintain a common operating picture.



RESPONSE OBJECTIVES

- Identify and maximize protection of environmentally sensitive areas and threatened species.
- Manage a coordinated interagency response effort through the Unified Command.
- Establish an Incident Management Team
- Inform the public, stakeholders, and the media of response activities.
- Adhere to appropriate financial accounting practices
- Deploy unique EPA assets to support the unified command response

UNIFIED COMMAND







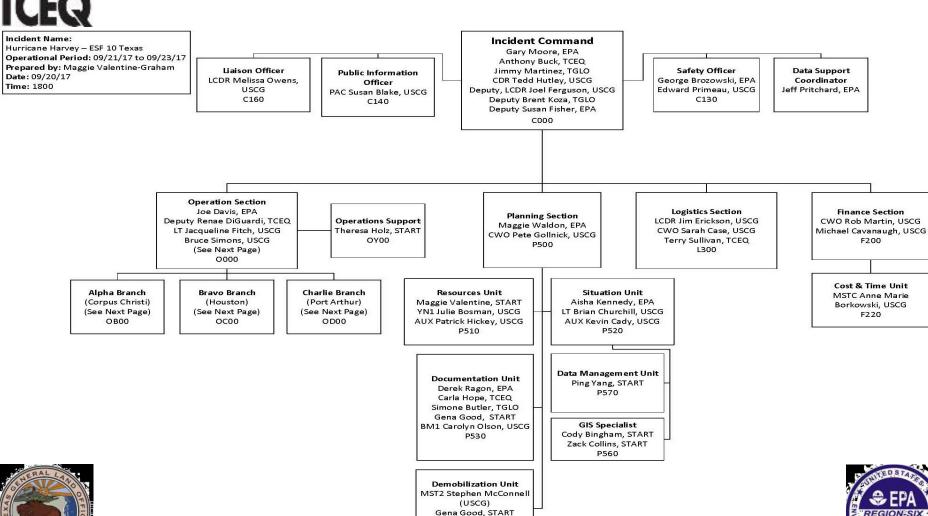


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Unified Command Organization Chart





(EPA, START, Other) Tori Gomez, START P540

EPA Resources

Alpha

Bravo

Charlie

Alpha

Bravo

Charlie



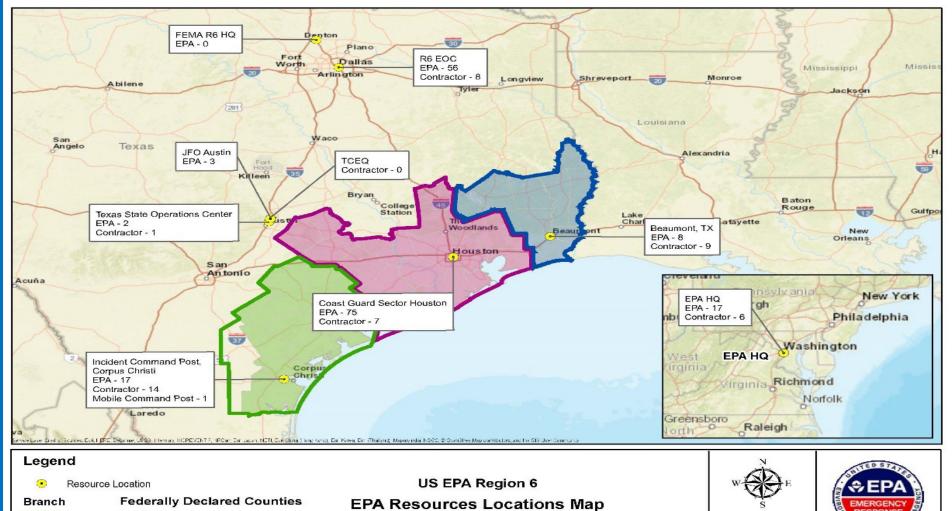
Miles
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EPA GIS

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Hurricane Harvey Response





Unified Command Mobile Command Post

Command & General Staff Meeting





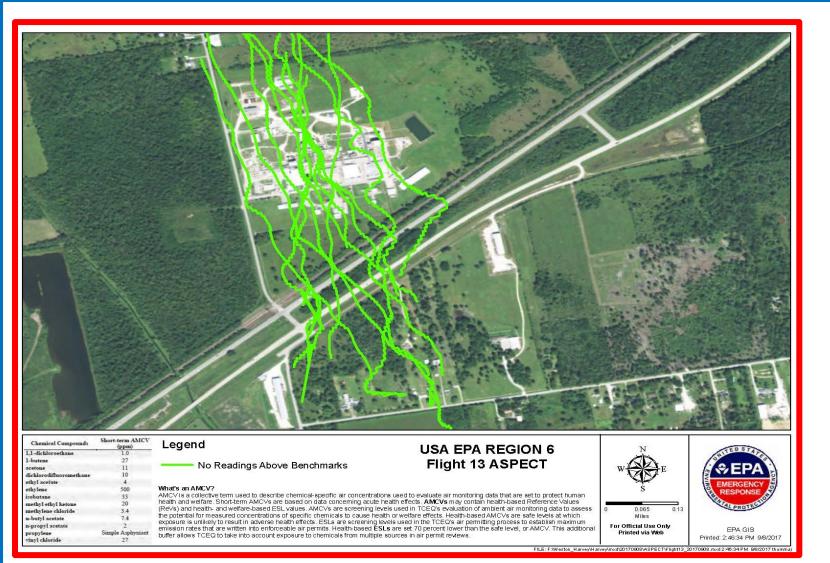
ASPECT Activities



- DHS and DOE requested monitoring
- Pipelines
- Refineries
- Releases at chemical and oil facilities
- Releases and orphan containers







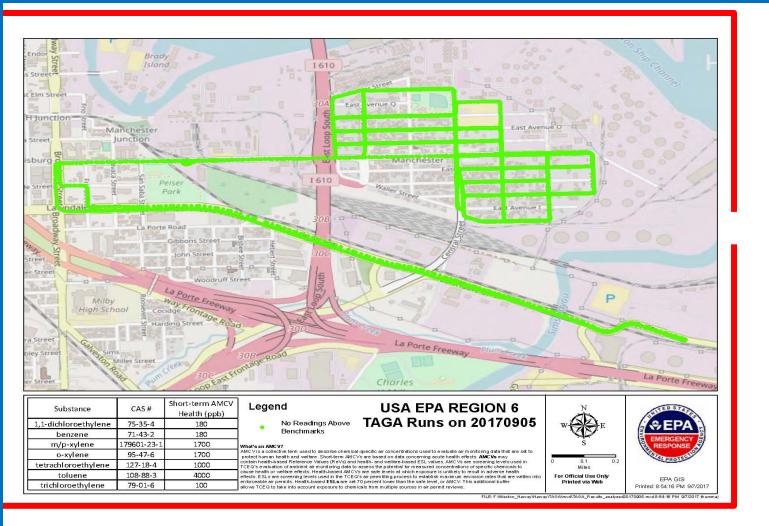


TAGA Activities





- Refinery monitoring
- Sensitive community monitoring
- Chemical manufacturing corridor monitoring





TAGA Product

PHILIS Activities



- On- Site Release assessment of analytical services
- Staging area sampling services
- Superfund site
 assessment analytical
 services

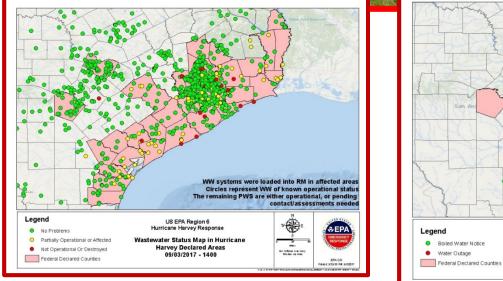


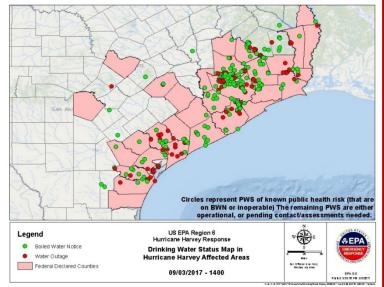


Drinking Water / Waste Water Assessments



Water Assessment Team –Houston Area Branch





Orphaned Container Recovery

Port Arthur Orphan Container Recovery





Corpus Christi Orphan Container Recovery – Port Aransas



Corpus Christi – EPA OSCs Sampling Drums at Pad in Level B

Superfund Sites

San Jacinto Pits: Completed repairs on the western portion of the southern berm.







Responsible Party contractors began manual probing of underwater cap with oversight by EPA Dive Team

Support to TCEQ / Staging Area Observers







Community Liaisons









Accomplishments



- > 648 Hazard Evaluations completed and closed
- 256 spills/discharge investigation completed
- 1,055 orphan containers recovered
- 625 drinking water assessments completed
- 441 waste water assessments completed
- Daily aerial over-flights for air monitoring
- ➤ Fuel waivers and No Action Assurance letters issued to support response/recovery activities





